File
Memo IN.

Det. H - 2 "I"
[redacted]
30 January 1964

IDEA-1731
COPY 3 OF 3

Trip Report
Edwards Air Force Base, California
21 - 24 January 1964

25X1A

The trip was made with [redacted] to evaluate, repair, and install the Dayton Processor (Serial #8) that was shipped from Barksdale
25X1A Air Force Base to Mr. [redacted] By Friday, 24 January 1964, the Dayton #8 was overhauled to the point where all mechanical and electrical components were in operation, the processor was in place with all utilities connected and the tanks of the processor were cleaned with tank cleaner. On Monday, 27 January 1964, chemicals were to be made and pumped into the processor. Tracking tests were scheduled for this day also.

The Dayton Processor (#8) should have been completely overhauled
25X1A before it was sent to the West Coast. [redacted] and I have never seen a Dayton Processor in such bad condition. Listed below are some of the items which made up this bad condition:

1. The processor was shipped without a cover on a skid with an open-type frame around the processor.

2. The entire processor was literally covered with dirt.

3. One pump was disassembled from the processor. All pumps had to be repacked, wire-brushed, painted, and tested before being re-installed into the processor.

4. The two adapters for the special supply spools were missing. These were furnished from the Dayton #2 which is to be sent back to us for overhaul.

5. Three pressure gauges from the solution recirculation systems were missing.

6. The squeegee clamp assembly was so rusty that it would not operate.

7. The speed reducer of the drive assembly was inoperative; in fact, it was disconnected. The one from Dayton #2 was used as a replacement.

8. The replenisher lines were just dangling from the unit.

9. Approximately 50% of the ball bearings had to be cleaned and re-installed. No replacements were available for use.

10. The filter in the plenum of the dryer was approximately 75% "loaded". The inside of the entire plenum was so dirty that we had to use a putty knife to remove the chemical deposits.

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11. The plexiglass in the drier door was cracked in two places. [redacted] will replace the plexiglass if he can obtain the necessary plexiglass and rivets.

12. The thermometer in the drier cabinet was missing. We borrowed the one from Dayton #2 and installed it on Dayton #8.

13. The rollers in the feed-on and take-off elevator assemblies, entering and within the drier, and in the squeegee assembly were so coated with chemicals that it was necessary to sand the deposits off the rollers. We were unable to wash the deposits off.

14. A home-made viewer had been installed on the processor. The outside of this viewer was really corroded. This viewer was disassembled, cleaned, repainted, and re-installed.

15. Apparently the sump of the developer stage had leaked at one time. We noticed that a sealant was used on the inside of the tank. We did not notice any leaking from this cabinet.

16. No manuals, door wrench, or thermostat wrench came with the processor.

17. Three of the 20-ampere fuses were missing.

18. Both the buzzer and bell of the alarm system were inoperative. In fact, the buzzer was missing.

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19. The gasket between the sump panel and the sumps was leaking. Mr. [redacted] agreed to repair this at his leisure.

Even though it was possible to make the processor operational, I recommend that the Dayton #8 be returned for overhaul at the first opportune time.

To support the Dayton #8 Processor, it is recommended that the
25X1A following quantities of spare parts be relayed to Mr. [redacted]
25X1A will in turn notify Mr. Wm. [redacted] who should then obtain these parts through the normal established channels.

Quantity	Description	Part No.	Item No.
24	Bearing, Ball, Fafnir 201 KD, Stainless Steel	11-196-52	XD54
24	Bearings, Rulon	11-196-20	XD69
6	Filter, Air Dust Stop	11-196-209	XD82
1	Pump, Centrifugal, D-11 Totally enclosed, all wetted parts to be Type 316 S.S. Double stuffing box w/John Crane C-99 Ring, Eastern Industries, Inc.	12-38-59	XD177

Quantity	Description	Part No.	Item No.
6	Kit, pump, seal, for D-11 D.S. Box Pump	12-38-343	X0253
5 ft.	Tubing, HiMol - 3/4" ID		
5 ft.	Tubing, tygon 3/4" ID x 7/8" OD	11-196-909	XM44
1	Buzzer	11-196-382	
1	Bell	11-196-383	

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Mr[redacted] also has a need for 24 Bearings, Part No. 2-949-A-005, Dale 40LD6 for use on the subtractor rollers of the EH6A. He is also having trouble with the small blower on the EH6A. We have replaced the HF blower with a Rotron Blower, Squirrel Cage, Centrifugal, Model KS, Type 609, 115V, Single Phase, 60 Cycle, Flanged Outlet Rim, w/Clamped Unit, w/15 mfd Capacitor (Approx. Cost $140.00).

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Mr. [redacted] would like the exact specifications for our 55-gal. Mix Tank Assembly 1-800-C-164. The assembly consists of a 55-gal. tank, Type 316 S.S., filter assembly, a mixer, and assorted piping.

We should send him the following free of charge:

Sheeting, Plastic, Opalized Kodapak, 36 x 36 inches
One Can of D&L Cleaner for use on stainless steel
One Roll of Silver Mylar Tape, 1-inch

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Along with Mr. [redacted] the following people were met:

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[redacted] - 2nd-in-Command at Base
- Logistics Officer
- Ass't to [redacted] 25X1A
- Support to [redacted]
- Support to [redacted]
- Support to [redacted]
- Support to [redacted] 25X1A

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Mr. [redacted] has an additional telephone extension - Area Code 213, Madison 8-9035. Mr. [redacted] prefers that we use this extension rather than the old one.

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On Friday 24 January, Dr [redacted] with others made an inspection trip of the installation. They were rather interested in the capabilities of the Bird and its proposed landing techniques.

25X1A

Messrs. [redacted] were so impressed with our Versamat that they discussed the acquisition of one with Col. [redacted]

25X1A

It seems that Mr. [redacted] has some money which can be diverted to the purchase of a Versamat.

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Mr. [redacted] and his group were most cooperative in assisting us. He should be commended.

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[redacted]

FB/bnh

25X1A Distribution: [redacted]